

## OpenAIRE Advancing Open Scholarship

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### Session Type

- Poster

### Abstract

From 1st January 2018, OpenAIRE infrastructure enters a new phase with the start of the OpenAIRE-Advance project. OpenAIRE-Advance continues the mission of OpenAIRE to support the Open Access and Open Data mandates in Europe relying on a decentralized network of content providers. By sustaining the current infrastructure, comprised of a human network and technical services, it consolidates its achievements while working to shift the momentum among its communities to Open Science, aiming to be a trusted e-Infrastructure within the realms of the European Open Science Cloud.

In this next phase, additionally to the empowerment of several working areas of the infrastructure, OpenAIRE will focus on the outcomes of the COAR Next Generation Repositories Working Group. OpenAIRE aims to promote emerging changes in the scientific communication landscape by building on repositories as the foundation of a globally networked and distributed Open Science infrastructure. This poster outlines the OpenAIRE-Advance practical plans and tasks to support the development of the next generation repositories with new functionalities and new technologies that will help with the adoption of modern web-technologies and protocols that will allow repository platforms to better interact with more innovative and sophisticated scholarly networked tools and services.

### Conference Themes

- Community - reaching out to new audiences, developing a community, governance
- Projects - sustainability of projects beyond the grant, maturing communities
- Infrastructure/Integrations - integrations between systems, changing technical environments

### Keywords

*OpenAIRE, Open Access Repositories Infrastructure, Network of Repositories*

### Audience

*Repository managers, librarians, information specialists, developers, data producers, research managers.*

### Background

Repositories forming a distributed global knowledge network have the potential to promote the transformation of the scholarly communication ecosystem. One of the barriers is a lack of web-based integration with other innovative scholarly services. There is a clear need for repository platforms to adopt modern web-technologies and protocols that will allow them to better interact with more innovative and sophisticated scholarly networked tools and services. OpenAIRE infrastructure, from the new phase with OpenAIRE Advance European funded project will build on the outcomes of the COAR Next Generation

Repositories Working Group and work with the global repository community to implement new functionalities at the level of the repositories platforms.

## Presentation content

This poster outlines the main objectives of the new phase of OpenAIRE (OpenAIRE Advance project, 2018-2020) and identifies which are plans and tasks to support the development of the next generation repositories with new functionalities and new technologies that will help with the adoption of modern web-technologies and protocols that will allow repository platforms to better interact with more innovative and sophisticated scholarly networked tools and services.

Building on the outcomes of the COAR Next Generation Repositories Working Group OpenAIRE-Advance will support the following implementation of next generation networked services:

- Improving discovery and content transfer through the adoption of state of the art web technologies to synchronize both content and metadata as web resources.
- Enable Open Metrics for repositories as a means of transparency, auditability in the calculation and free access to the metrics, covering different publication/data types in the metrics.
- Annotation Services to more actively engage researchers with the repositories and their content.

## Conclusion

OpenAIRE-Advance continues the mission of OpenAIRE – the Open Science infrastructure for Research in Europe – to support the Open Access and Open Data mandates in Europe. In this next phase, OpenAIRE Advance strives to empower its National Open Access Desks (NOADs) so they become a pivotal part within their own national data infrastructures, positioning Open Access and Open Science onto national agendas. It examines key elements of scholarly communication, as co-operative OA publishing and the next generation repositories, to develop essential building blocks of the scholarly commons. Specifically, in the development of the global network of repositories, OpenAIRE will focus on the outcomes of the COAR Next Generation Repositories Working Group to promote emerging technical changes to support the progress of the next generation repositories with new functionalities and new technologies that will help with the adoption of modern web-technologies and protocols in repository platforms.

## References

[www.openaire.eu/advance](http://www.openaire.eu/advance)